

Machine Learning and Data Science



Evaluation de la performance des modèles de classification

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Le paradoxe de l'accuracy

Le paradoxe de l'accuracy



		\hat{y} (VD Prédite)	
		0	1
y (VD Réelle)	0	9,700 ← 150 	
	1	 50 ← 100	

Scénario 1:

Accuracy = Correct / Total

AR = 9,800/10,000 = 98%


Le paradoxe de l'accuracy

		\hat{y} (VD Prédite)	
		0	1
y (VD Réelle)	0	9,850 ← 0 	
	1	 150 ← 0	

Scénario 1:

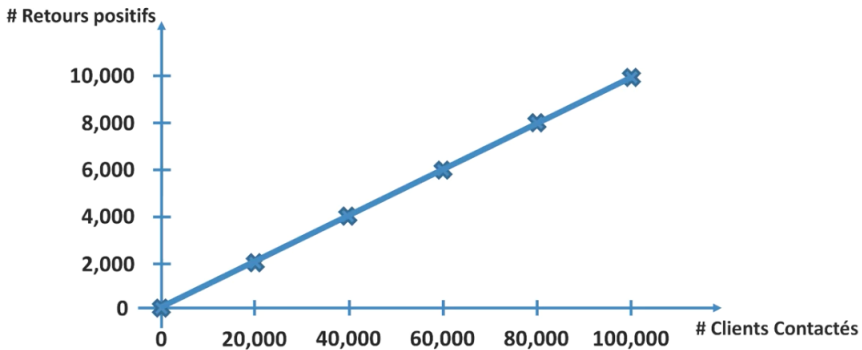
Accuracy = Correct / Total
AR = 9,800/10,000 = 98%

Scénario 2:

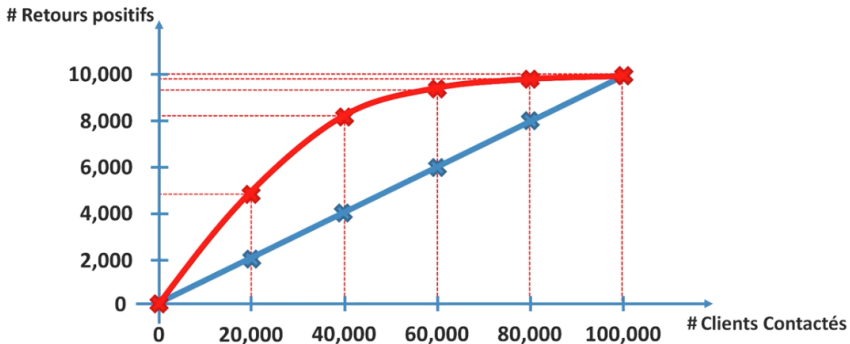
Accuracy = Correct / Total
AR = 9,850/10,000 = 98.5% 

Cumulative Accuracy Profile (CAP)

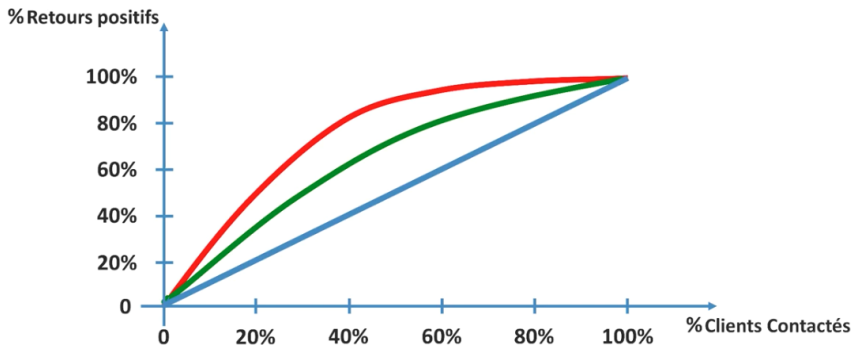
CAP



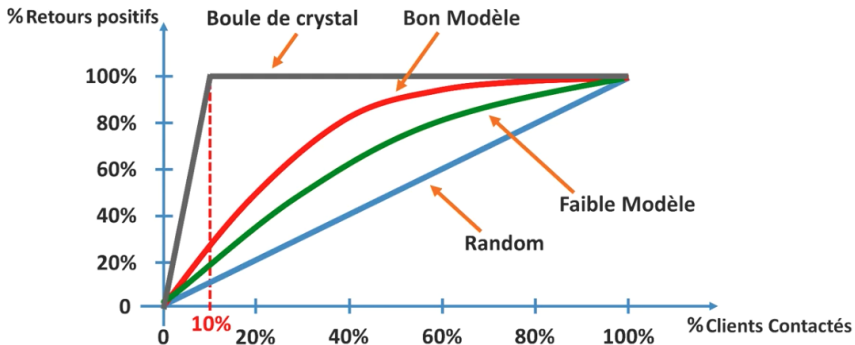
CAP



CAP



CAP



CAP

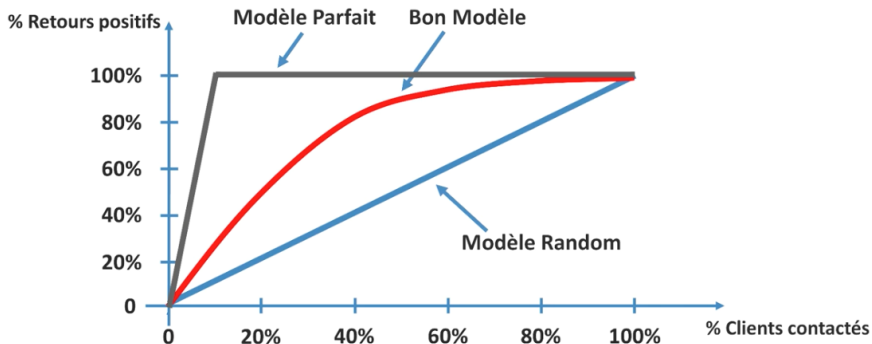
CAP = Cumulative Accuracy Profile



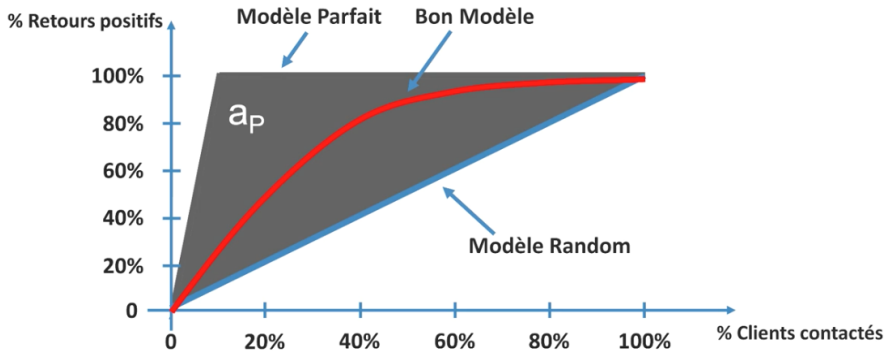
ROC = Receiver Operating Characteristic

Analyse du CAP

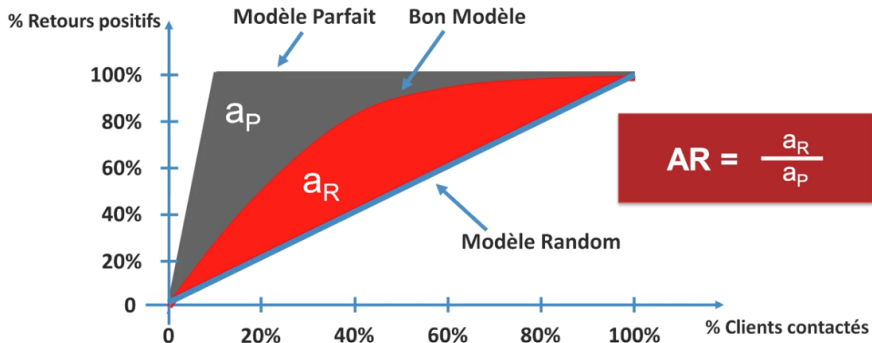
Analyse CAP



Analyse CAP



Analyse CAP



Analyse CAP

